



SEQUENCE LISTING

<110> Dai, Ken-Shwo

<120> HUMAN ARL-RELATED GENE VARIANTS ASSOCIATED WITH CANCER

<130> U 014798-3

<140> 10/653,681

<141> 2003-09-02

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<170> PatentIn version 3.2

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<212> DNA

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<221> CDS

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Ile Val Gly Leu Gly Thr Trp Lys Ser Pro Leu Gly Lys Val Lys Glu

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gca gtg aag gtg gcc att gat gca gga tat cgg cac att gac tgt gcc 207

Ala Val Lys Val Ala Ile Asp Ala Gly Tyr Arg His Ile Asp Cys Ala

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tat gtc tat cag aat gaa cat gaa gtg ggg gaa gcc atc caa gag aag 255

Tyr Val Tyr Gln Asn Glu His Glu Val Gly Glu Ala Ile Gln Glu Lys

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Ile Gln Glu Lys Ala Val Lys Arg Glu Asp Leu Phe Ile Val Ser Lys

65 70 75

ttg tgg ccc act tcc aga tcg aga agc tct tgaacaaacc tggactgaaa 353

Leu Trp Pro Thr Ser Arg Ser Arg Ser Ser

80 85

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cagtactgcc actccaaggg catcacggtt acggcctaca gccccctggg ctctccggat 473

agaccttggg ccaagccaga agacccttcc ctgctggagg atcccaagat taaggagatt 533

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Tyr Gln Asn Glu His Glu Val Gly Glu Ala Ile Gln Glu Lys Ile Gln
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Glu Lys Ala Val Lys Arg Glu Asp Leu Phe Ile Val Ser Lys Leu Trp
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att gtg ggc ctg ggc act tgg aag tct cct ctc ggc aaa gtg aaa gaa      159
Ile Val Gly Leu Gly Thr Trp Lys Ser Pro Leu Gly Lys Val Lys Glu
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Ala Val Lys Val Ala Ile Asp Ala Gly Tyr Arg His Ile Asp Cys Ala
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Tyr Val Tyr Gln Asn Glu His Glu Val Gly Glu Ala Ile Gln Glu Lys
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Ile Gln Glu Lys Ala Val Lys Arg Glu Asp Leu Phe Ile Val Ser Lys
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Leu Trp Pro Thr Phe Phe Glu Arg Pro Leu Val Arg Lys Ala Phe Glu
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aag acc ctc aag gac ctg aag ctg agc tat ctg gac gtc tat ctt att      399
Lys Thr Leu Lys Asp Leu Lys Leu Ser Tyr Leu Asp Val Tyr Leu Ile
95          100          105          110

cac tgg cca cag gga ttc aag tct ggg gat gac ctt ttc ccc aaa gat      447
His Trp Pro Gln Gly Phe Lys Ser Gly Asp Asp Leu Phe Pro Lys Asp
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gat aaa ggt aat gcc atc ggt gga aaa gca acg ttc ttg gat gcc tgg      495
Asp Lys Gly Asn Ala Ile Gly Gly Lys Ala Thr Phe Leu Asp Ala Trp
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gag gcc atg gag gag ctg gtg gat gag ggg ctg gtg aaa gcc ctt ggg      543
Glu Ala Met Glu Glu Leu Val Asp Glu Gly Leu Val Lys Ala Leu Gly
          145          150          155

gtc tcc aat ttc agc cac ttc cag atc gag aag ctc ttg aac aaa cct      591
Val Ser Asn Phe Ser His Phe Gln Ile Glu Lys Leu Leu Asn Lys Pro
          160          165          170

gga ctg aaa tat aaa cca gtg act aac cag gtt gag tgt cac cca tac      639
Gly Leu Lys Tyr Lys Pro Val Thr Asn Gln Val Glu Cys His Pro Tyr
175          180          185          190

ctc acg cag gag aaa ctg atc cag tac tgc cac tcc aag ggc atc acc      687
Leu Thr Gln Glu Lys Leu Ile Gln Tyr Cys His Ser Lys Gly Ile Thr
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 210 215 220

cca gaa gac cct tcc ctg ctg gag gat ccc aag att aag gag att gct 783
 Pro Glu Asp Pro Ser Leu Leu Glu Asp Pro Lys Ile Lys Glu Ile Ala
 225 230 235

gca aag cac tcc cca agt ctg tgacaccagc acgcattggt gagaacattc 834
 Ala Lys His Ser Pro Ser Leu
 240 245

aggtctttga ctttaaattg agtgatgagg agatggcaac catactcagc ttcaacagaa 894

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Lys Val Ala Ile Asp Ala Gly Tyr Arg His Ile Asp Cys Ala Tyr Val
 35 40 45

Tyr Gln Asn Glu His Glu Val Gly Glu Ala Ile Gln Glu Lys Ile Gln
 50 55 60

Glu Lys Ala Val Lys Arg Glu Asp Leu Phe Ile Val Ser Lys Leu Trp
 65 70 75 80

Pro Thr Phe Phe Glu Arg Pro Leu Val Arg Lys Ala Phe Glu Lys Thr

85

90

95

Leu Lys Asp Leu Lys Leu Ser Tyr Leu Asp Val Tyr Leu Ile His Trp
 100 105 110

Pro Gln Gly Phe Lys Ser Gly Asp Asp Leu Phe Pro Lys Asp Asp Lys
 115 120 125

Gly Asn Ala Ile Gly Gly Lys Ala Thr Phe Leu Asp Ala Trp Glu Ala
 130 135 140

Met Glu Glu Leu Val Asp Glu Gly Leu Val Lys Ala Leu Gly Val Ser
 145 150 155 160

Asn Phe Ser His Phe Gln Ile Glu Lys Leu Leu Asn Lys Pro Gly Leu
 165 170 175

Lys Tyr Lys Pro Val Thr Asn Gln Val Glu Cys His Pro Tyr Leu Thr
 180 185 190

Gln Glu Lys Leu Ile Gln Tyr Cys His Ser Lys Gly Ile Thr Val Thr
 195 200 205

Ala Tyr Ser Pro Leu Gly Ser Pro Asp Arg Pro Trp Ala Lys Pro Glu
 210 215 220

Asp Pro Ser Leu Leu Glu Asp Pro Lys Ile Lys Glu Ile Ala Ala Lys
 225 230 235 240

His Ser Pro Ser Leu
 245